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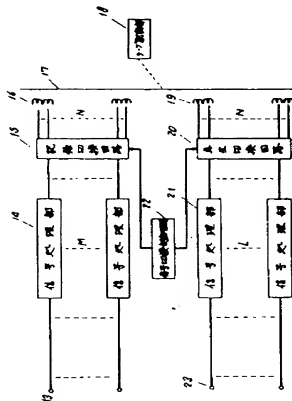
APPLICATION DATE : 16-12-81
APPLICATION NUMBER : 56204402

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INVENTOR : AMANO YOSHINORI;

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TITLE : MULTI-CHANNEL DIGITAL
RECORDING AND REPRODUCING
DEVICE



ABSTRACT : PURPOSE: To realize a compact and light-weight design for the titled device, by providing a means of select a prescribed number of the recording and reproducing heads in accordance with the maximum number of channels which are simultaneously recorded and reproduced.

CONSTITUTION: The number of signal processing parts is limited to the number of channels needed for the simultaneous recording, and a recording head 16 and the total number of channels needed for recording are prepared. At the same time, a reproducing head 19 is prepared in the total number of channels equivalent to the head 16. A reproducing signal processing part 21 is provided in a number equivalent to the channels to be simultaneously recorded. Then $N > M$ and $N > L$ are defined, where N is the number of total channels to be recorded, M is the number of channels to be recorded simultaneously and L is the number of channels to be simultaneously reproduced respectively. The input signal is supplied through an input terminal 13 and processed at a recording signal processing part 14, and the channels to be recorded through a recording switch circuit 15 are set by a command given from a signal switch control circuit 22. In this case, $S < M$ is satisfied if the input signal is referred to as S . A reproduction switch circuit 20 feeds the reproducing signal to the part 21 from the head 19 by a command given from the circuit 22.

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